

Purchase Order Receipt Listing

Thursday, April 05, 2012 10:59:52 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO1617 Receipt Dates from 4/5/2012 to 4/5/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Rev Date/ Emp	Rev Qty (PO U/M)	Cost Per Unit/ Rev Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ Reject Qty	Book Amt
Vendor ID Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO1617	2		M174R0.750	f	4/9/2012	4/5/2012	48.0000	\$5.11	0.0000	0	\$245.26
CAD	No		17-4 round bar .750	f	48.0000	DESJ02		\$245.26	0.0000	0	
			121282								
	3		M303R0.750	f	4/9/2012	4/5/2012	108.0000	\$3.90	0.0000	0	\$421.58
	No		303 Round Bar 0.750	f	108.0000	DESJ02		\$421.58	0.0000	0	
			121282								
	4		M303R1.000	f	4/9/2012	4/5/2012	24.0000	\$6.93	0.0000	0	\$166.23
	No		303 Round Bar 1.00	f	24.0000	DESJ02		\$166.23	0.0000	0	
			121282								
	5		M303H0.500	f	4/9/2012	4/5/2012	12.0000	\$2.70	0.0000	0	\$32.43
	No		303 HEX BAR .500	f	12.0000	DESJ02		\$32.43	0.0000	0	
			121282								
	6		M304R0.750	f	4/9/2012	4/5/2012	36.0000	\$3.30	0.0000	0	\$118.91
	No		304 SS Roundbar	f	36.0000	DESJ02		\$118.91	0.0000	0	
			.750								
			121282								
	8		M6061T6B0.500X02.f	f	4/9/2012	4/5/2012	12.0000	\$2.92	0.0000	0	\$35.07
	No		500								
			6061-T6 Bar .500 x	f	12.0000	DESJ02		\$35.07	0.0000	0	
			2.50								
			121282								
	9		M6061T6B0.500X05.f	f	4/9/2012	4/5/2012	36.0000	\$6.21	0.0000	0	\$223.40
	No		000								
			6061-T6 Bar .500 x	f	36.0000	DESJ02		\$223.40	0.0000	0	
			5.00								
			121282								
	10		M6061T6B0.500X01.f	f	4/12/2012	4/5/2012	24.0000	\$1.23	0.0000	0	\$29.43
	No		000								
			6061-T6 Bar .500 x	f	24.0000	DESJ02		\$29.43	0.0000	0	
			1.00								
			121282								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Receiv Date/ Recv Emp	Receiv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/ Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO16617	11		M6061T6B2.000X04.f		4/9/2012	4/5/2012	12.0000	\$22.94	0.0000	0	\$275.29
			500								
CAD	No		6061T6 Bar 2.00 x 4.500	f	12.0000	DESI02		\$275.29	0.0000	0	
			121282								
	12		M6061T6B0.187X04.f		4/9/2012	4/5/2012	40.0000	\$1.90	0.0000	0	\$76.07
			000								
No			6061-T6 Bar .187 x 4.00	f	40.0000	DESI02		\$76.07	0.0000	0	
			121282								
	13		M6061T6H1.000	f	4/9/2012	4/5/2012	12.0000	\$2.20	0.0000	0	\$26.42
No			6061-T6 HexBar 1.00 f		12.0000	DESI02		\$26.42	0.0000	0	
			121282								
	14		M6061T6R0.750	f	4/9/2012	4/5/2012	36.0000	\$1.19	0.0000	0	\$42.88
No			6061-T6 Round Bar .750"	f	36.0000	DESI02		\$42.88	0.0000	0	
			121282								

Total Received Quantity: 400.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$1,692.96
 Total Balance Due Quantity: 0.0000

DATE _____

Page: 1 ...continued

Quantity	12 FT	1	WT LBS	17
PCS				

Quantity	36 FT	3	WT LBS	55
PCS				

Quantity	PCS	WT LBS
12 FT	1	9

Quantity	PCS	WT LBS
24 FT	2	65

Quantity	PCS	WT LBS
108 FT	9	164

B I L L O F L A D I N G - REPRINT

0 - 0 Manifest 2979
Route
Vehicle
Slip
STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAMKESBURY, ON K6A 1K7

IN G No: PEC 760783 04Apr12 at 13:24 From PHM

B I L L O F L A D I N G

DATE

12/4/4

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Page: 1 ... Continued

12/4/5

WT LBS 17

Quantity 12 FT PCS 17

5) Our Order PEC-436385- 5 Your PO # 16567-16617
ALUMINUM FLAT BAR 6061-T6511
Heat Number Z00224015
Tag No 53174

WT LBS 55

Quantity 36 FT PCS 3

4) Our Order PEC-436385- 4 Your PO # 16567-16617
STAINLESS STEEL ROUND BAR 304L
Heat Number B1T1
Tag No 53173

WT LBS 9

Quantity 12 FT PCS 1

3) Our Order PEC-436385- 3 Your PO # 16567-16617
STAINLESS STEEL HEX BAR 303 STAINLESS
Heat Number 3A060
Tag No 53172

WT LBS 65

Quantity 24 FT PCS 2

2) Our Order PEC-436385- 2 Your PO # 16567-16617
STAINLESS STEEL ROUND BAR 303 STAINLESS
Heat Number B0R5
Tag No 53171

WT LBS 164

Quantity 108 FT PCS 9

1) Our Order PEC-436385- 1 Your PO # 16617
STAINLESS STEEL ROUND BAR 303 STAINLESS
Heat Number 24778
Tag No 53170

B I L L O F L A D I N G

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

B I L L O F L A D I N G

Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783

Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783
Via VIM TRANSFER
FOB CONCORD
Route 0 - 0 Manifest
Trailer
SIP STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

39

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE RAPPORTEES IMMEDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 12 ... Continued

1/12/95

11) Our Order PEC-436385- 11 Your PO # ~~16567~~ 16617
ALUMINUM HEXAGON BAR 6061-T6511
1.00" X 144.0000"

Heat Number	P0.750046	Tag No	53181	Quantity	36 FT	PCS	3	Wt LBS	19
.750" DIA X 144.0000"									
ALUMINUM ROUND BAR 6061-T6511									
10) Our Order PEC-436385- 10 Your PO # 16567 16617									

Heat Number	201200183	Tag No	53180	Quantity	40 FT	PCS	2	Wt LBS	35
.187" X 4.00" X 240.0000"									
ALUMINUM FLAT BAR 6061-T6511									
Part # ONLY 240" LENGTH									
9) Our Order PEC-436385- 9 Your PO # 16567 16617									

Heat Number	201204260	Tag No	53178	Quantity	12 FT	PCS	1	Wt LBS	129
2.00" X 4.50" X 144.0000"									
ALUMINUM FLAT BAR 6061-T6511									
8) Our Order PEC-436385- 8 Your PO # 16567 16617									

Heat Number	201203685	Tag No	53176	Quantity	24 FT	PCS	2	Wt LBS	14
.50" X 1.00" X 144.0000"									
ALUMINUM FLAT BAR 6061-T6511									
7) Our Order PEC-436385- 7 Your PO # 16567 16617									

Heat Number	HK299 078	Tag No	53175	Quantity	36 FT	PCS	3	Wt LBS	105
.50" X 5.00" X 144.0000"									
ALUMINUM FLAT BAR 6061-T6511									
6) Our Order PEC-436385- 6 Your PO # 16567 16617									

B I L L O F L A D I N G

Ship From:	THYSSENKRUPP MATERIALS NA	2821 LANGSTAFF ROAD	CONCORD, ONTARIO L4K 5C6	Tel: 905 669 9444 Fax: 9057389033
Ship To:	(1)	DART AEROSPACE		
Ship Date	04Apr12	at 13:24	From PFW	No: PEC 760783
Route	0 - 0	Manifest		
Vehicle	Trailer			
Sip	STAN IVERS (905-532-1350)			
Sold To:	(20115)			
DART AEROSPACE				

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 3 ... Continued

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH
MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
TOTAL G.W 2 BDL 724 LBS

Heat Number
201200183
201200184
201203685
201204260
24778
3A060
B0R5
B1T1
HK299 078
E0.750046
Z00224015

*** Chemical Analysis ***

TOTAL: Tags 12 PCS 32 LBS 696

B I L L O F L A D I N G		B I L L O F L A D I N G	
Heat Number	201200184	Heat Number	201200184
Tag No	53183	Tag No	53184
Quantity	12 FT	Quantity	48 FT
PCS	1	PCS	4
Wt LBS	12	Wt LBS	72

(12) Our order PEC-436385- 12 Your PO # 46567 16617
STAINLESS STEEL ROUND BAR 17-4 STAINLESS
.750" DIA X 144.0000"

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033
Ship To: (1) DART AEROSPACE
Ship Date: 04Apr12 at 13:24 From PFW
No: PEC 760783
Via VIM TRANSFER
FOB CONCORD
Route 0 - 0 Manifest
Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115) DART AEROSPACE

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 4 ... Last

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B I L L O F L A D I N G
CONCORD, ONT. *
*** TEL. 800-926-2600 ***
*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033
Ship To: (1) DART AEROSPACE
Ship Date 04Apr12 at 13:24 From PFW
No: PEC 760783
L A D I N G
Ship Date 04Apr12 at 13:24 From PFW
Via VIM TRANSFER
CONCORD
PREPAID
Route 0 - 0 Manifest
Trailer
STAN IVERS (905-532-1350)
Slp
Sold To: (20115)
DART AEROSPACE

THYSENKRUPP MATERIALS NA

PO/Rd 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
PART NO. 750" DIA X 144.0000"

Certificate of Mill Test Results
Signed by: BL PBC-760783-001
4Apr12 Pg 1/1

VIRAJ

VIRAJ PROFILES LIMITED

Regd & Mkt Off: G-33 & 34, MIDC, Industrial Area, Tarapur, Thane (Dist), Maharashtra, INDIA - 401506, E-Mail: sales@viraj.com
Works: SURVEY No- 114, 119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA, weiqe@viraj.com

TEST CERTIFICATE

CUSTOMER: RIDEALITY STAINLESS LTD, 2213 NORTH SHERIDAN WAY, MISSISSAUGA, ON L5K 1A3, CANADA
BUNDLE NO: 5151226, 5151223, 5151224, 5151225
DESCRIPTION: STAINLESS STEEL BRIGHT BARS
COLD DRAWN POLISHED - 2H

SIZE: 3/4" SHAPE: ROUND TOLERANCE: ASTM A484 LENGTH: 12'-14" PIECES: 224 WEIGHT: 4,082.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0550	1.930	0.500	0.3050	0.0310	17.340	8.120	0.070	0.080	0.050	0.03500

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area Hardness %	Grain Size NOS
93.0	108.0	39.0	59.0	221.0
				7.0

SPECIFICATION:

MATERIAL CONFORMS TO DIN 10088-3:2005 COND-A & ASTM A 582/A 582M-05 COND A, ASTM A 388-05, ASTM A 484-10, AMS 5640R TYPE I, EXCEPT MARKING, Q&S-764B2 COND A, EXCEPT MARKING, UNS-S-30300, ASTM A 314-2002, ASTM A 320/A 320M-05a, BRF CLASS 1, ASME SA 320 BRF CL 1 MIL-S-862 R GRADE AISI 303 & WNR 1.4305, CERTIFIED AS PER EN 10204- 3.1

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO: FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO: GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050°C, SOAKING TIME 2 HRS, WATER QUENCHED, MELT SOURCE: AOD, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION, COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR
K R K MURTHY

Certificate of Mill Test Results

4Apr12 Pg 1/1

THYSSENKRUPP MATERIALS NA
DAKT AEROSPACE
STAINLESS STEEL HEX BAR 303 STAINLESS
PART NO.
50" HEX X 144,0000"

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

TA CHEN INTERNATIONAL, INC.

MILL TEST REPORT

MTR#: WLRB2011080139.6

Customer: COPCON PO#: PEC-236801 SO#: PE280
Item: HB030032 Bundle: WLL11045001 Heat#: 3Q060

WALSIN LIHWA CORPORATION YENSHUI PLANT

3-10, SHI JIU LIAU, CHIN SHUEI L.
YENSHUI CHEN, TAINANHSIEY, TAIWAN R.O.C.
Tel: (06)6530911 Fax: (06)6533076

MILL TEST / INSPECTION CERTIFICATE

Customer	TA CHEN STAINLESS PIPE CO., LTD.	Date	2011/07/14	File	2011080139
Steel Grade	AISI 303	Commodity	Stainless Steel Bar	Order No.	387411
Item	Head No. 3Q060	Shape	1/2"	Weight (LBS)	1336
Condition	CD	Remark	WLL11045001	Length (m): 0.4-3.0mm, Tolerance: A-484	
Workmanship					

Material is free from mercury contamination	No welding repaired	Solution treatment at 1040°C, 1-2 hour, water quenched	Grain size test by R112: fine (5-8)	Macro and micro structure: ok	Intergranular corrosion test by ASTM A162 Practice E: OK	Country of origin & M: manufactured, Taiwan
---------------------------------------------	---------------------	--------------------------------------------------------	-------------------------------------	-------------------------------	----------------------------------------------------------	---------------------------------------------

Chemical Composition (WT%)										Mechanical Properties			
Kind	Test	of	C	SI	Mn	P	S	NI	Cr	Mo	Cu	N	Co
0.15	MAX	1.00	2.00	0.200	0.150	8.00	17.00	0.75	MAX	19.00	0.112		
0.051	MAX	0.246	1.903	0.027	0.301	8.536	17.334	0.112					
Spec.	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
1													SI

Condition:	Remark:																																		
Solution Treated	A-Annealed	Invoice No. WLL11045	L/C No.																																
H.R.-Hot Rolled	P-Polished	According to ASTM A581-95h cond.A, A582-2005 cond.A																																	
CD-Cold Drawn	PL-Peeling	A481/A484I, AMS 5640U Type I																																	
ST-Smooth Turned	Q05 764B cond.A EN 10204 3.1B																																		
CG-Centerless Grinding																																			

Shape:	K : Round	H : Hexagonal	S : Square	SB : Square-Round	E : Ellipse	FB : Rectangular
Here we certify that the material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.						

MANAGER OF QUALITY ASSURANCE DEPARTMENT: **M.P. Chiang**

Shape:	K: Round	H: Hexagonal	S: Square	SR: Square-Round	E: Ellipse	FB: Rectangular	Here we certify that the material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.						
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THYSSENKRUPP MATERIALS NA

PO# 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511

PART NO. 150" X 2.50" X 144.0000"

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:	
PEC-236665-2		ALREC00852		.500 X 2.500 RECT BAR	
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
612916	002	02/07/2012	Z00224015	6061	T6511
WEIGHT SHIPPED	QUANTITY:	B/L NUMBER:	DIA/DIA F/THKNS:	WIDTH:	LENGTH:
988.000 LB	56.000 PCS	602575			12.000 FT
SHIP TO:					
THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA					

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
200224015	0001	1	43.2	45.8	18.3	RE 94	N/A	N/A
200224015	0001	2	43.6	46.0	14.7	RE 91	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.60	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101264	.72	.37	.28	.09	.93	.09	.10	.03	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-08-RENCILED ASME-SB221 1998 SECT II AMS-QQ-A-2C0/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

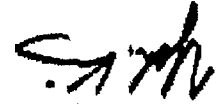
Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination. Any warranty is limited to that shown on

Alex Yeh, Quality & Technology Manager



Page 1 of 1

Plant Serial: C0028660
Kaiser Order Number: 612916
Line Item: 002

PO/REL 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875



BILL TO
 ThyssenKrupp Materials NA
 SHIP TO
 ThyssenKrupp Materials NA PEC
 Quantity Certified 1,270 lbs 180 pcs

MANIFEST NUMBER 153735
 CUSTOMER PO PEC-237245
 CUSTOMER PART NUMBER RB0092

DIE NUMBER RB0092
 ALLOY/TEMPER 6061-T6511
 DESCRIPTION SCRB 500x1.000

DATE OF SHIPMENT 3/9/2012
 SALESPERSON David Schroeder

OUR ORDER NUMBER 145569
 ITEM 1

CERTIFICATION
 ASTM-B221-08 StencilContinuous
 SPECIFICATION
 AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Tests	Lot No.
1	201203685
2	201203685

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
02/29/12	48.9	45.4	14.7
02/29/12	47.0	42.8	13.6

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
012623	6061	0.75	0.34	0.34	0.10	0.92	0.11	0.10	0.02	0.05	0.15

Melted In
 United States of America

Print Date: 3/9/2012

Calvin J. Winnings

Calvin J. Winnings Director of Quality & Technical Services

Rev. 8/2/01-1-11MS

PO/Rel 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875



BILL TO
 ThyssenKrupp Materials NA
SHIP TO
 ThyssenKrupp Materials NA PEC
 Quantity Certified 1,556 lbs

MANIFEST NUMBER
 148740
CUSTOMER PO
 PEC-235810
CUSTOMER PART NUMBER
 RB0545 X 240

DIE NUMBER
 RB0545
ALLOY / TEMPER
 6061-T6511
DESCRIPTION
 SCRB .188x4.000

DATE OF SHIPMENT
 1/13/2012
SALES PERSON
 David Schroeder

OUR ORDER NUMBER
 141851
ITEM
 4

CERTIFICATION
 ASTM-B221-08 StencilContinuous
SPECIFICATION
 AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.
 SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties			
Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)
1	201200183	01/09/12	45.4
2	201200183	01/09/12	46.3
			Yield Strength (KSI)
			42.7
			43.6
			Percent Elongation
			12.0
			13.5

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	II	Others	Total	Melted In
C67R00-44	6061	0.65	0.20	0.19	0.01	0.85	0.06	0.01	0.01	0.05	0.15	United States of America

Print Date: 1/13/2012

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/23/11 - JWS

PO/Rel 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875

**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**

OUR ORDER NUMBER	ITEM
141851	14

BILL TO ThyssenKrupp Materials NA	MANIFEST NUMBER 148740	DIE NUMBER XB0056	DATE OF SHIPMENT 1/13/2012	CERTIFICATION ASTM-B221-08 StencilContinuous
SHIP TO ThyssenKrupp Materials NA PEC	CUSTOMER PO PEC-235810	ALLOY/TEMPER 6061-T6511	SALESPERSON David Schroeder	SPECIFICATION AMS-QQA-200/8
Quantity Certified 2,163 lbs	CUSTOMER PART NUMBER XB0056	DESCRIPTION Hex 1.000+/- .005		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Tests	Lot No.	Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
1	201200184		01/08/12	53.2		50.0		15.9	
2	201200184		01/08/12	53.7		50.9		14.5	
1	201200302		01/12/12	49.0		46.2		15.6	
2	201200302		01/12/12	48.7		45.9		15.0	
3	201200302		01/12/12	48.6		45.7		16.0	

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Melted In United States of America
										Each	Total	
C71R0005	6061	0.75	0.37	0.32	0.10	0.89	0.16	0.01	0.02	0.05	0.15	
C71R0006	6061	0.77	0.40	0.35	0.11	0.89	0.17	0.01	0.01	0.05	0.15	

Print Date: 1/13/2012

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 3/13/11 - LWS

THYSENKRUPP MATERIALS NA
DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"
PART NO.

PO/Rel 16567

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



**NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045**

METALLURGICAL TEST REPORT

6870 HIGHWAY 42 EAST

Mail To:

Mail to:
 Thyssenkrupp Materials
 2821 Langstaff Road
 Concord, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 3/15/2012 Page: 1

Steel: 303

Princip: CD

your Order: PEC236938

NAS Order: IN 0140609 01

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/05 EN 10204 3.1, ASTM A484/10
AMS 5640U TYPE 1, QQ-S-764B CONDITION A

REMARKS:

COMPLIES W/REQUIREMENTS OF DPARS EU DIRECTIVE 2002.95.
EC. ROHS. RAFF+AO+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid # Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BE3487 2		1.0000	1,008	144.00	1	1	

Country Code: A N A T Y S T S CM/Country of Melt ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
B0R5	US	.0402	.0280	17.1530	.1790	1.7540	.2765	.0508	8.4565	.0355
		S	SI							
		.3365	.4330							

MECHANICAL PROPERTIES

Product Id	1 d o i c x	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BE3487 2	RL	191.00	68.99	105.11	39.81	29.74

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERTC 1199 2/15/2012



NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

METALLURGICAL TEST REPORT

6870 HIGHWAY 42 EAST

Mail To:

Certificate: 702461 7
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 1/16/2012 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262 Prac A/E OK

NAS Order: PN 0016906 03

Your Order: PEC235177

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/08
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,
ASME SA479/10a, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F

REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BE3172 8		.7500		1,040	144.00	9	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MN	MO	N	NI	P
BLT1	OS	.0236	.1235	18.1550	.4320	1.3305	.3675	.0508	8.6485	.0380
	S		SI							
		.0270	.3120							

MECHANICAL PROPERTIES

Product Id	Id	HB	.2YS	UTS	RA	Elng
	o i		KSI	XSI	%	% 4D
	c r	No.				
BE3172 8	RL	172.00	68.38	99.17	70.46	49.63

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

Certificate of Mill Test Results

4Apr12
Pg 1/1
Signed by: _____
BL PEC-760783-006

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.50" x 5.00" x 14.0000"

PO/Rd 16567
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:	
PEC-236804-1		ALREC00870		5.00 X 5.00 SC RECT BAR	
KAISER ORDER NUMBER:		SHIP DATE:		KAISER LOT NUMBER:	
613265		02/10/2012		HK299 078	
WEIGHT SHIPPED:		BAL NUMBER:		DIA/DIA/T/HKNS:	
988.000 LB		602618			
QUANTITY:		SOLD TO:		LENGTH:	
28.000 PCS		THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA		12.000 FT	
SHIP TO:		THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5G6 CANADA		TEMPER:	
				T6511	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK299 078	C001	43.8	38.3	12.5	RE	92	N/A	N/A
HK299 078	C001	43.7	38.2	12.8	RE	92	N/A	N/A
HK299 078	C001	45.1	38.8	12.5	RE	92	N/A	N/A
HK299 078	C001	45.5	41.0	12.3	RE	92	N/A	N/A
HK299 078	C001	45.6	40.9	12.5	RE	92	N/A	N/A
HK299 078	C001	45.0	39.3	12.8	RE	92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.30	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H41902	.65	.41	.23	.09	.90	.09	.05	.02	.01	.02	.00	.01	.04

Applicable Requirements:

ASTM-B221-08-STENCILLED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 a-so conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHEKMAN, TX) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested in conformance with applicable specifications forming a part of the Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

[Signature]

Plant Serial: 00029222
Kaiser Order Number: 613265
Line Item: 001

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

SERVICE CENTER METALS
 5850 Quality Way
 Prince George, VA 23875



**CERTIFIED INSPECTION REPORT AND TEST RESULTS
 FOR EXTRUDED PRODUCTS**

OUR ORDER NUMBER	ITEM
146084	1

BILL TO ThyssenKrupp Materials NA
SHIP TO ThyssenKrupp Materials NA PEC
 Quantity Certified 1,411 lbs

MANIFEST NUMBER 154327
CUSTOMER PO PEC-237466
CUSTOMER PART NUMBER MRB0936

DIE NUMBER MRB0936
ALLOY/TEMPER 6061-T6511
DESCRIPTION MQRB 2.000x4.500

DATE OF SHIPMENT 3/16/2012
SALESPERSON David Schroeder

CERTIFICATION ASTM-B221-08 StencilContinuous
SPECIFICATION AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201204260	03/09/12	52.5	48.6	12.1

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
0212185	6061	0.76	0.39	0.32	0.11	0.90	0.10	0.04	0.03	0.05	0.15

Melted In
 United States of America

Print Date: 3/16/2012

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 9/29/11 - UMS

Certificate of Mill Test Results

Signed by: _____
 4Apr12 Pg 1/2

THYSSENKRUPP MATERIALS NA

PART AEROSPACE
 ALUMINUM ROUND BAR 6061-T6511
 .750" DIA X 144.0000"
 PART NO.



CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
 FABRICATED PRODUCTS, LLC
 5205 KAISER DRIVE
 KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-236989-2		CUSTOMER PART NUMBER: 015238-9		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD .750 +/- .004	
KAISER ORDER NUMBER: 002	SHIP DATE: 02/28/2012	KAISER LOT NUMBER: P0.750046	ALLOY: 6061	TEMPER: T6511B	
WEIGHT SHIPPED: 1010.000 LB	QUANTITY: 162.000 PCS	B/L NUMBER: 602772	DIA/DA/TF/HK/NS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
P0.75C046	0001	CC01	50.1	40.6	21.9	RE	96	N/A
P0.75C046	0001	CC02	54.1	51.1	18.8	RE	96	N/A
P0.75C046	0001	CC03	52.7	50.1	18.0	RE	96	N/A
P0.75C046	0001	CC04	49.2	42.6	19.5	RE	96	N/A
P0.75C046	0001	CC05	49.4	43.5	21.2	RE	97	N/A
P0.75C046	0001	CC06	49.3	41.7	20.1	RE	96	N/A
P0.75C046	0001	CC07	49.4	43.5	19.7	RE	95	N/A
P0.75C046	0001	CC08	49.2	43.1	16.9	RE	95	N/A
P0.75C046	0001	CC09	49.6	43.6	19.2	RE	95	N/A
P0.75C046	0001	CC10	49.2	41.7	20.1	RE	96	N/A
P0.75C046	0001	CC11	49.7	42.2	21.1	RE	95	N/A
P0.75C046	0001	CC12	48.6	40.8	18.4	RE	96	N/A
P0.75C046	0001	CC13	49.2	41.5	20.4	RE	96	N/A
P0.75C046	0001	CC14	49.0	41.2	17.1	RE	96	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	EA	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
V31847	.75	.29	.28	.08	.96	.09	.02	.02	.00	.00	.00	.01	.01

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221.1998 SECT II PER AMS-QQ-A-200/8 UNS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

Plant Serial: 00032248
 Kaiser Order Number: 613912
 Line Item: 002

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

PO/Rd 16567

ALUMINIUM ROUND BAR 6061-T6511

PART AEROSPACE

.50" DIA X 144.0000"

PART NO.

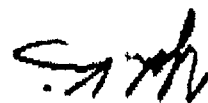
KAISER
ALUMINIUM
FABRICATED PRODUCTS

KAISER ALUMINIUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager



CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

Certificate of Mill Test Results

4Apr12 BL PEC-760783-012

Signed by: Pg 1/2

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL ROUND BAR 17-4 STAINLESS
750" DIA X 144.0000"
PART NO.

PO/Ref 1657

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM KERCJRY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

TALLEY METALS
A Carpenter Company

CERT SERIAL# 000807336

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

Talley Metals Technology, Inc.
205 Talley Metals Lane
Medec, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

01/26/12
CUSTOMER/BESTELLER/CLIENT

TALLEY METALS TECH, INC.
ACCOUNTS PAYABLE
P.O. BOX 2498
HARTSVILLE, SC 29551

THYSSENKRUPP MAT'L'S. CA LTD
2821 LANGSTAFF ROAD
CONCORD, ONTARIO
L4K 5G6, CANADA

CUSTOMER ORDER NO. / BESTELL.-NR. / N° DE COMMANDE	CARPENTER NO. / N°LRS.-NR. / N° CC REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
PBC-236142-001	TLX974201 L14077	01/26/12	1629.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COLLE: G18680

UNS NUMBER S17400

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD FINISH

SPECIFICATION: TALLEY 174-TIA CAP OF H900 (01/11/99)

AMS 2303 REV F (08/10)
AMS 2315 REV F (01/08)
AMS 5643 REV R (02/08)

ASTM-A484-11
ASTM-A564-10
ASME-SAS64 2011 EDITION (TYPE 630)
ASTM-F899-11 (CHEM ONLY)

SIZE 0.75000 IN. (19.05 MM) RD BAR

PRIMARY HEAT CHEMISTRY(WT%): (TEST METHOD IS SHOWN IN PARENTHESES)

C (COM)	0.026	C (COM)	0.024	S (COM)	0.024	P (XRF)	0.023	N (FUS)	0.028	CU (XRF)	3.74	MO (XRF)	0.26	SI (XRF)	0.41	CB (XRF)	0.25	TA (XRF)	15.31	LT (XRF)	0.01
---------	-------	---------	-------	---------	-------	---------	-------	---------	-------	----------	------	----------	------	----------	------	----------	------	----------	-------	----------	------

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES
THIS MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL REVISION 30, DATED 09/28/11.

TYPE
TEMP 1900F (1037C)
TIME (BATCH FURNACE) 1.30 HOURS
WATER
SOL AND
QUENCH

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW 294

MAGNETIC PARTICLE: FREQUENCY = 0 / SEVERITY = 0
MICROSTRUCTURE - FERRITE 1.29%

CONTINUED ON NEXT PAGE

This certification is made to the customer printed on this form. Carpenter neither checks, nor assumes responsibility for, any representation or certification of certification to other parties.
Die vorliegende Zertifikatierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt keine Verantwortung für irgendwelche Aussagen oder Zertifikatierungen.
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'examine pas de responsabilité pour une certification ou certification à d'autres personnes.

Certificate of Mill Test Results

4Apr12
Pg 2/2

THYSENKRUPP MATERIALS NA
PART AEROSPACE
STAINLESS STEEL ROUND BAR 17-4 STAINLESS
PART NO. 750" DIA X 144.0000"

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

CERTIFICAT DE CONTROLE

- THE RECORDING OF FACTS, FIGURES, ETC., IN THIS DOCUMENT IS THE PROPERTY OF THE PRODUCER OF THE METAL, OR DATA RESULTING FROM TESTS MADE IN APPROVED LABS.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE BY THE PRODUCER OF THE METAL, OR DATA RESULTING FROM TESTS MADE IN APPROVED LABS.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT IS NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

CERT SERIAL# 000807336
TALLEY METALS
A Carpenter Company

Talley Metals Technology, Inc.
205 Talley Metals Lane
McBee, SC, 29101 Tel: (610) 208-2000 (800) 338-4592

SELLER/VERKAUFER/VENDEURPAGE 2 OF 2

TALLEY METALS TECH, INC.
ACCOUNTS PAYABLE
P.O. BOX 2498
HARTSVILLE, SC 29551

THYSENKRUPP MAT'L'S, CA LTD
PICKOVER'S
2821 LANGSTAFF ROAD
CONCORD, ONTARIO
L4K 5G6, CANADA

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./MERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
PEC-236142-001	TLY974201 L14077	01/26/12	1629.000

HEAT NUMBER / SCHMELZ-NR. / N° DE COULEE: G18680

UNS NUMBER S17400

AIR COOL

(7) TRANSVERSE (L) LONGITUDINAL
YIELD STRENGTH, (0.20 %) KSI (MPa) 214.0 (1475)
TENSILE STRENGTH, KSI (MPa) 214.0 (1475)
ELONGATION IN 1.40", % 11.0
REDUCTION OF AREA, % 52.0
HARDNESS, HBW 421.0

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A.
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DEARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY TO DEARS REQUIRE-
MENTS 252.225-7008 AND 252.225-7009.
THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE
PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS
PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

STEPHANIE E. MCCULLUM
QUALITY ASSURANCE ENGINEER
CARPENTER TECHNOLOGY CORPORATION

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Stephanie E. McCullum

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 1 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL-C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr
Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
Destination-Collect

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
(01/27/08)

Line Nbr	Reference	Revision ID	Description/ Mfg ID	Reg Date/ Taxable	Reg Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
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1	M2024T3S.032		2024-T3 .032 sheet	4/12/12	144.00	Yours ppd	\$3.1771	\$457.50
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Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET

AS PER
Q-Q-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

2	M174R0.750		17-4 round bar .750	4/09/12	48.00	Yours ppd	\$5.1050	\$245.04
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Special Inst: MATERIAL: 17-4 PH/S17400 TYPE 630 SS

ROUND BAR
AS PER AMS 5643 OR ASTM A564

3	M303R0.750		303 Round Bar 0.750	4/09/12	108.00	Yours ppd	\$3.9000	\$421.20
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Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS

PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Date: 4/02/12

Change Nbr: 1



DART
 Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053

PURCHASE ORDER
 Purchase Order ID PO16617
 Purchase Order Date 4/02/12
 PO Print Date 4/02/12
 Page Number 2 of 5

Order From : THYSSENKRUPP MATERIALS CA LTD
 O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
 TORONTO, ON M5W 5V8
 CA

Contact Name	Vendor Phone	Vendor Fax	Vendor Account Nbr
Chantal Lavoie	905 669 9444	905 738 9033	
Buyer	Requisition Nbr	Tax Resale Nbr	Terms
		10127-2607	Net 30
		CAD	Destination-Collect
		FOB	

4	M303R1.000	303 Round Bar 1.00	4/09/12	Yes	24.00	f	Yours ppd	\$6,9200	\$166.08	2
Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE										
4/12/12 028										
5	M303H0.500	303 HEX BAR .500	4/09/12	Yes	12.00	f	Yours ppd	\$2.7000	\$32.40	
Special Inst: MATERIAL: AISI 303 SS HEX BAR AS PER SATM A582 NOTE: AISI 304/316 NOT ACCEPTABLE										
4/12/12 037										
6	M304R0.750	304 SS Roundbar .750	4/09/12	Yes	36.00	f	Yours ppd	\$3.3000	\$118.80	
Special Inst: MATERIAL: 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE										
4/12/12 038										
7	M304B0.750X2.500	304 BAR .750 X 2.50	4/12/12	Yes	12.00	f	Yours ppd	\$24.8500	\$298.20	3
Special Inst: MATERIAL: 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE										

Change Nbr: 1
 Change Date: 4/02/12
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 3 of 5

Order From :
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
905 669 9444		
Vendor Fax	Tax Resale Nbr	10127-2607
905 738 9033		
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	Destination-Collect

8	M6061T6B0.500X02.500	6061-T6 Bar .500 x 2.50	4/09/12	Yes	12.00	Yours ppd	\$2,920.00	\$35.04	1
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4/12/12

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

9	M6061T6B0.500X05.000	6061-T6 Bar .500 x 5.00	4/09/12	Yes	36.00	Yours ppd	\$6,200.00	\$223.20	3
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4/12/12

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

10	M6061T6B0.500X01.000	6061-T6 Bar .500 x 1.00	4/12/12	Yes	24.00	Yours ppd	\$1,225.00	\$29.40	2
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4/12/12

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

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Change Date: 4/02/12

Change Nbr: 1

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
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Page Number 4 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr

Buyer
Requisition Nbr
Tax Resale Nbr
Terms
Currency
FOB
Chantal Lavoie
10127-2607
Net 30
CAD
Destination-Collect

11	M6061T6B2.000X04.500	6061T6 Bar 2.00 x 4.500	4/09/12	Yes	12.00	Yours ppd	\$22,9200	\$275.04
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Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

12	M6061T6B0.187X04.000	6061-T6 Bar .187 x 4.00	4/09/12	Yes	40.00	Yours ppd	\$1.9000	\$76.00
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Special Inst:

6061-T6/T651T6510/T6511/T62
ALUMINUM HEX BAR
SPEC: QQ-A-225/8 OR AMS-QQ-A-225/8
(OR AMS4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8(OR
AMS 4160) OR ASTM B211 OR ASTM
B221

Change Nbr: 1

Change Date: 4/02/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

DART
aerospace

PURCHASE ORDER
Purchase Order ID PO16617
Purchase Order Date 4/02/12
PO Print Date 4/02/12
Page Number 5 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr

Buyer
Requisition Nbr
Tax Resale Nbr
Terms
Currency
FOB
Chantal Lavoie
10127-2607
Net 30
CAD
Destination-Collect

14 M6061T6R0.750

6061-T6 Round Bar .750"

4/09/12

Yes

36.00

Yours pd

\$1.1900

\$42.84

013

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/
4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160
OR ASTM B211 OR ASTM B221

6061-T0 SHEET .060"

4/12/12

Yes

48.00

Yours pd

\$2.8125

\$135.00

Deliver To: DAN.S

PO Total:

\$2,582.14

MATERIAL CERTIFICATION
REQD UPON DELIVERY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Date: 4/02/12

Change Nbr: 1